






Focus Occupation: Industrial Engineers (17-2112)

Focus occupation: Industrial Engineers	
Employment and Growth	28/ 7.7%
Ave. Monthly Wage	\$9,068
Education/Experience	Bachelor's degree

Advance FROM Focus Occupation				
Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Architectural and Engineering Managers (11-9041) 	2	474/ 6.3%	BA/5 plus yrs	86
Petroleum Engineers (17-2171)	2	547/ 10.5%	BA	94
Engineers, All Other  (17-2199)	1	1,046/ 6.8%	BA	95
Mechanical Engineers  (17-2141)	1	326/ 6.2%	BA	73

Transfer TO and FROM Focus Occupation				
Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors  (17-2111)	0	258/ 6.2%	BA	70

Advance TO Focus Occupation				
Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Emergency Management Specialists (13-1061)	-1	97/ 5.4%	BA/1-5 yrs	70
Engineering Technicians, Except Drafters, All Other (17-3029)	-2	518/ 7.2%	AA	86
First-Line Supervisors of Production and Operating Workers  (51-1011)	-2	790/ 2.5%	VOC/1-5 yrs	80
Industrial Engineering Technicians (17-3026)	-3	58/ 11.5%	AA	100
Inspectors, Testers, Sorters, Samplers, and Weighers (51-9061)	-4	614/ 6.6%	HS	74

Important note: A worker does not necessarily have to traverse every rung to advance to or from the focus occupation. Occupations above and below the focus occupation are directly related to the focus occupation, but they are not necessarily directly related to each other. For example, actors and athletes are both related to agents of artists, performers, and athletes, but actors and athletes are not directly related to each other.

Analysis and development of the career lattice is by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.

Data sources used for research and analysis: O*NET (Occupation Information Network), Alaska Occupational Data Base (ODB), Standard Occupational Classification Manual, North American Industry Classification System manual, Bureau of Labor Statistics Occupational Employer Survey (OES) wage estimates.